

## Iowa Department of Natural Resources Environmental Protection Commission

ITEM

6

DECISION

**TOPIC:** Solid Waste Alternatives Program – Recommendations

The Department received fourteen (14) proposals, requesting \$1.7 million in financial assistance, for consideration during the July 2007 round of funding. Seven projects were selected either for funding or additional consideration. If approved they will receive \$204,592 in a combination of forgivable loans and zero interest loans.

The review committee consisted of five persons representing the Energy and Waste Management Bureau (Alex Moon and Jennifer Reutzel), Iowa Society of Solid Waste Operations (Don Vogt), Iowa Recycling Association (Jeff Rose), and the Iowa Waste Exchange (Julie Plummer).

The table below summarizes recommendations by applicant and project type and by the type of award.

Recommended By Applicant Type	# Awards	Award Amount	Forgivable Loan Portion
Local Government	2	\$26,527	\$26,527
Private For Profit	2	\$24,830	\$24,830
Private Not For Profit	3	\$153,235	\$33,480
Recommended By Project Type	# Awards	Award Amount	Forgivable Loan Portion
Best Practices	4	\$164,585	\$44,830
Market Development	0	\$0	\$0
Education	3	\$40,007	\$40,007
Type of Award	# Awards	Award Amount	Forgivable Loan Portion
Forgivable loan only	6	\$84,837	\$84,837
Forgivable and 0% loan only	0	\$0	\$0
0% and 3% interest loan only	0	\$0	\$0
0% interest loan only	1	\$119,755	\$0
3% interest loan only	0	\$0	\$0

At this time, the Department is requesting Commission approval to enter into contracts with selected applicants whose awards will be in excess of \$25,000 subject to satisfactory review of additional requested information, review of business plans, negotiation of budget, match, deliverables, and other requested information.

A description of each recommended project, the project type, the amount and type of funding assistance is attached followed by a description of other proposals received but not recommended for funding.

Wayne Gieselman  
Division Administrator  
Environmental Services Division

Attachment

a) Application descriptions

August 3, 2007

**SOLID WASTE ALTERNATIVES PROGRAM**  
**PROPOSAL RECOMMENDATIONS – JULY 2007**

The Department received fourteen (14) proposals, requesting \$1.7 million in financial assistance, for consideration during the July 2007 round of funding. Seven (7) projects were selected either for funding or additional consideration. If all are approved they will receive \$204,592 in a combination of forgivable loans and zero interest loans.

The following provides a description of each project, the project type, and the amount and type of funding assistance. The descriptions are organized as projects above \$25,000, those \$25,000 and below, and proposals received but not selected.

**PROPOSAL RECOMMENDATIONS: ABOVE \$25,000**

**BEST PRACTICES PROJECTS:**

<b>Crossroads of Western Iowa One Crossroads Place Missouri Valley, IA 51555</b>	<b>Forgivable Loan:</b>	<b>\$0</b>
	<b>Zero Interest Loan:</b>	<b>\$119,755</b>
	<b>3% Interest Loan:</b>	<b><u>\$0</u></b>
	<b>Total Award Amount:</b>	<b>\$119,755</b>
	<b>Cash Match:</b>	<b>\$65,429</b>
	<b>In-Kind Match:</b>	<b><u>\$60,444</u></b>
	<b>Local Match:</b>	<b>\$125,873</b>
	<b>Total Project Cost:</b>	<b>\$245,628</b>

<b>Project Title:</b>	<b>Crossroads Recycling</b>
<b>Contact:</b>	David Lovell      Phone: 712-642-4114
<b>Project Type:</b>	Best Practices
<b>Applicant:</b>	Private Not For Profit
<b>Description:</b>	Applicant requests funds to support enhancements to their Missouri Valley recyclables processing facility. The facility currently processes cardboard, paper, plastics, tin and aluminum for Harrison County and for regional commercial/industrial clients. Funds will support the purchase of equipment to expand overall material throughput and improve processing efficiency, as well as allow them to expand their collection efforts to include wood pallets. The project will allow the applicant to increase total materials diverted over the 2,200 tons per year they currently process.
<b>Target Area:</b>	Harrison County and the surrounding area

**PROPOSAL RECOMMENDATIONS: \$25,000 AND BELOW**

**BEST PRACTICES PROJECTS:**

**Buchanan County Health Center**  
**1600 First Street East**  
**Independence, IA 50644**

**Forgivable Loan:** \$4,830  
**Zero Interest Loan:** \$0  
**3% Interest Loan:** \$0  
**Total Award Amount:** \$4,830

**Cash Match:** \$1,200  
**In-Kind Match:** \$3,630  
**Local Match:** \$4,830  
**Total Project Cost:** \$9,660

**Project Title:** **Cardboard Recycling Program**  
**Contact:** Jeff Simmons Phone: 319-334-6071  
**Project Type:** Best Practices  
**Applicant:** Private For Profit  
**Description:** Applicant requests funds to purchase a baler to implement a cardboard recycling program in their facility. Cardboard generated at this facility is currently sent to the landfill. The project is being done in conjunction with an environmental improvement project throughout the facility, including other waste reduction and material recycling projects. Implementation of this project will result in the diversion of approximately 24 tons of cardboard from the landfill each year.

**Target Area:** City of Independence

**North Cedar Recycling**  
**1147 E. Hwy 30**  
**Stanwood, IA 52337**

**Forgivable Loan:** \$20,000  
**Zero Interest Loan:** \$0  
**3% Interest Loan:** \$0  
**Total Award Amount:** \$20,000

**Cash Match:** \$26,000  
**In-Kind Match:** \$0  
**Local Match:** \$26,000  
**Total Project Cost:** \$46,000

**Project Title:** **Metal Recycling**  
**Contact:** Scott Rogers Phone: 563-942-2072  
**Project Type:** Best Practices  
**Applicant:** Market Development  
**Description:** Applicant requests funds to purchase equipment that will allow them to increase the amount of scrap metal they are able to divert from the landfill. The equipment will allow the applicant to identify specific

metal alloys present in metal samples currently not able to be recycled due to their unknown composition. Current clients and new potential customers across the state will be targeted, and material will be collected at all three of the applicant's processing facilities. The project will allow the applicant to divert a minimum of 50 additional tons of metal per year currently going to the landfill.

**Target Area:** State of Iowa

**City of LeMars**  
**331 1<sup>st</sup> Street NE**  
**LeMars, IA 51031**

<b>Forgivable Loan:</b>	<b>\$20,000</b>
<b>Zero Interest Loan:</b>	<b>\$0</b>
<b>3% Interest Loan:</b>	<b><u>\$0</u></b>
<b>Total Award Amount:</b>	<b>\$20,000</b>
<b>Cash Match:</b>	<b>\$20,000</b>
<b>In-Kind Match:</b>	<b><u>\$0</u></b>
<b>Local Match:</b>	<b>\$20,000</b>
<b>Total Project Cost:</b>	<b>\$40,000</b>

**Project Title:** **LeMars Recycling Totes Project**

**Contact:** Bill Cole Phone: 712-548-4965

**Project Type:** Best Practices

**Applicant:** Local Government

**Description:** Applicant requests funds to purchase recycling totes for the city's curbside recycling program. Surveys of city residents have shown that higher participation rates and increased recyclables collection will take place if totes were provided in place of the "blue bag" collection system currently being used. Funds will go towards the purchase of 96-gallon recycling totes, which will be provided to each city residence. The current recycling education campaign being undertaken by the city will also now include outreach to provide information on and encourage participation in the new collection program. Estimates indicate that implementation of this program will double the current tonnage of recyclables collected to 192 tons per year.

**Target Area:** City of LeMars, IA

## **EDUCATION PROJECTS:**

**Center on Sustainable  
Communities  
301 Grand Avenue  
Des Moines, IA 50309**

<b>Forgivable Loan:</b>	<b>\$20,000</b>
<b>Zero Interest Loan:</b>	<b>\$0</b>
<b>3% Interest Loan</b>	<b><u>\$0</u></b>
<b>Total Award Amount:</b>	<b>\$20,000</b>

<b>Cash Match:</b>	<b>\$33,500</b>
<b>In-Kind Match:</b>	<b><u>\$50,000</u></b>
<b>Local Match:</b>	<b><u>\$83,500</u></b>
<b>Total Project Cost:</b>	<b>\$103,500</b>

**Project Title:** **Green Demonstration Home**

**Contact:** Lynnae Hentzen Phone: 515-309-3266

**Project Type:** Education

**Applicant:** Private Not For Profit

**Description:** Applicant requests funds to support three residential green construction and renovation projects in the communities of Des Moines and West Des Moines. The demonstration homes will be built/remodeled to LEED standards in low- to moderate-income neighborhoods to illustrate the affordability of building green. The homes will be open to the public and industry professionals for tours and open houses during and after the construction process. The applicant will also document ongoing and final cost figures, along with all environmental impacts/benefits of the construction process and the home itself, for a final publication at the project's conclusion. Completed homes will be open for a 1-year period to allow for additional tours and open houses. Funds will go towards administrative support and marketing/education materials. This project looks to encourage "mainstream" residential green building, and emphasizes the importance of resource conservation, waste reduction and recycling throughout the construction process.

**Target Area:**

Central Iowa

---

**Iowa Society of Solid Waste  
Operations  
2111 Grand Avenue, Suite 100  
Des Moines, IA 50312**

**Forgivable Loan: \$13,480  
Zero Interest Loan: \$0  
3% Interest Loan: \$0  
Total Award Amount: \$13,480**

**Cash Match: \$13,965  
In-Kind Match: \$0  
Local Match: \$13,965  
Total Project Cost: \$27,445**

**Project Title:** New Landfill Rules Seminar  
**Contact:** Christine Collier Phone: 515-256-8814  
**Project Type:** Education  
**Applicant:** Private Not For Profit  
**Description:** Applicant requests funds to host a 2-day training session for industry participants affected by the recently revised IAC 567 – Chapter 113 solid waste rules. The training will provide one full day for overview and discussion of the new rules and requirements, and a second day for more technical discussion of new monitoring requirements and compliance options. Funding will support outside technical experts and training materials to be present at the seminar, and will further the ability of Iowa solid waste professionals to deliver sound solid waste management services to state residents.

**Target Area:** State of Iowa

---

---

**University of Northern Iowa  
Recycling and Reuse Technology  
Transfer Center (RRTTC)  
213 Bartlet Hall  
Cedar Falls, IA 50614-0394**

**Forgivable Loan: \$6,527  
Zero Interest Loan: \$0  
3% Interest Loan: \$0  
Total Award Amount: \$6,527**

**Cash Match: \$9,427  
In-Kind Match: \$0  
Local Match: \$9,427  
Total Project Cost: \$15,954**

**Project Title:** Application of Health Promotion Theoretical Approaches to Changing Recycling Behaviors and Assessing Participation Rates  
**Contact:** Dr. Catherine Zeman Phone: 319-273-7090  
**Project Type:** Education  
**Applicant:** Local Government  
**Description:** Applicant request funds to conduct a study on the impacts of using differing health education/promotion behavior change models on recycling participation rates and attitudes. The applicant will partner with Metro Waste Authority and the Des Moines Public

---

Works Department to utilize GIS/GPS data collection and will target designated Des Moines metro neighborhoods to conduct education interventions and see what education approach has the greatest impact on motivating increased recycling behaviors. Results from this project could be applied to recycling education and outreach programs statewide.

**Target Area:** Polk County

**PROPOSALS RECEIVED, NOT RECOMMENDED**

<b>Spectrum Resources</b> 1700 Keosauqua Way Des Moines, IA 50314-1834	<b>Total Amount Requested:</b> \$212,075
<b>Project Title:</b> Deconstruction and Diversion	
<b>Contact:</b> Jerald C. Brantley	<b>Phone:</b> 515-288-1248
<b>Project Type:</b> Best Practices	
<b>Applicant:</b> Private Not For Profit	
<b>Description:</b>	Applicant requests funds to expand their existing deconstruction and salvage operation and develop a deconstruction training and certification program for industry professionals

<b>Complete Recovery, LLC</b> 610 East Milwaukee Street Spencer, IA 51301	<b>Total Amount Requested:</b> \$777,000
<b>Project Title:</b> New Facility Construction	
<b>Contact:</b> Randy Plagman	<b>Phone:</b> 712-262-4877
<b>Project Type:</b> Best Practices	
<b>Applicant:</b> Private For Profit	
<b>Description:</b>	Applicant requests funds to construct a new recycling facility at the Northern Plains Regional Landfill in partnership with the city of Spencer

<b>Environmental Reclamation &amp; Recycling</b> 1422 East Scott Avenue Des Moines, IA 50317	<b>Total Amount Requested:</b> \$95,567
<b>Project Title:</b> Environmental Reclamation and Recycling – Front End Improvement	
<b>Contact:</b> Dave Klockau	<b>Phone:</b> 515-419-1896
<b>Project Type:</b> Best Practices	
<b>Applicant:</b> Private For Profit	
	Applicant requests funds to purchase equipment to increase



<b>Description:</b>	production and improve sorted material quality
---------------------	--

<b>Ottumwa Community School District</b> 422 McCarroll Drive Ottumwa, IA 52501		<b>Total Amount Requested:</b>	<b>\$19,500</b>
<b>Project Title:</b>	<b>Ottumwa Schools Waste Diversion Project</b>		
<b>Contact:</b>	Kim Hellige	<b>Phone:</b>	641-682-8764
<b>Project Type:</b>	Best Practices		
<b>Applicant:</b>	Local Government		
<b>Description:</b>	Applicant requests funds to expand their district's recycling program to implement a food waste recycling program		

<b>Record Management Systems</b> 536 Main Street, P.O. Box 173 Granville, IA 51022		<b>Total Amount Requested:</b>	<b>\$5,000</b>
<b>Project Title:</b>	<b>Baler Purchase for Recyclable Materials</b>		
<b>Contact:</b>	Brenda Bunkers	<b>Phone:</b>	712-727-3710
<b>Project Type:</b>	Best Practices		
<b>Applicant:</b>	Private For Profit		
<b>Description:</b>	Applicant requests funds to purchase a baler for collection of recyclables from residents of Granville and the surrounding area		

<b>Clark's S.A.W. Mill</b> 3 Bader Street Bloomfield, IA 52537		<b>Total Amount Requested:</b>	<b>\$185,000</b>
<b>Project Title:</b>	<b>Wood Pellet Manufacturing</b>		
<b>Contact:</b>	Warren Clark	<b>Phone:</b>	641-664-2040
<b>Project Type:</b>	Market Development		
<b>Applicant:</b>	Private For Profit		
<b>Description:</b>	Applicant requests funds to purchase equipment to expand their current wood pelletizing operation and process additional wood waste material		

<b>Biosolids Management Systems</b> 2605 Mamie Eisenhower Avenue Boone, IA 50036		<b>Total Amount Requested:</b>	<b>\$195,030</b>
<b>Project Title:</b>	<b>Mycelium By-Product Recovery and Soil Quality Research</b>		
<b>Contact:</b>	Jeff Burma	<b>Phone:</b>	515-433-6044
<b>Project Type:</b>	Market Development		
<b>Applicant:</b>	Private For Profit		
<b>Description:</b>	Applicant requests funds to conduct research in partnership with Iowa State University on the reuse of mycelium as a soil amendment		